This Listing of Claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

- 1. (Currently amended) A magnetic recording medium, comprising:
- a substrate;
- a seedlayer directly disposed on the substrate, wherein the seedlayer comprises a Cr-X containing material and a portion of the seedlayer is oxidized;
 - a non-oxidized Cr-containing first underlayer;
 - a second underlayer comprising an HCP alloy; and
 - a magnetic layer, in this order,
- wherein a solid solubility of said X is at least 3 atomic percent in Cr, and said X is selected from the group consisting of aluminum, calcium, titanium, vanadium, manganese, iron, cobalt, nickel, zinc, or a mixture thereof, and further wherein grains of the seedlayer in the medium has a lower sigma/mean than that of an unoxidized seedlayer in a similar medium.
- 2. (Original) The magnetic recording medium of claim 1, further wherein a heat of oxide formation of said X is less than that of Cr and a lattice tuning capability of said X is at least 2% that of Cr.
 - 3. (Canceled).
 - (Canceled).

- (Canceled).
- 6. (Previously Amended) The magnetic recording medium of claim 1, wherein the oxidized portion of the seedlayer contains from about 0.0001 atomic percent oxygen to about 20 atomic percent oxygen.
- 7. (Previously Amended) The magnetic recording medium of claim 1, wherein the oxidized portion of the seedlayer contains from about 0.01 atomic percent oxygen to about 0.9 atomic percent oxygen.
- 8. (Previously Amended) The magnetic recording medium of claim 1, wherein the seedlayer has a Cr-X (110) interplanar spacing that is substantially equivalent to a (0002) interplanar spacing of the HCP alloy in the second underlayer.
- 9. (Previously Amended) The magnetic recording medium of claim 1, wherein the second underlayer comprises a CoCr-containing material to form a first magnetic recording medium, the first magnetic recording medium exhibiting a stronger CoCr (11.0) peak by X-ray crystallography than that of a second magnetic recording medium that is similar to the first magnetic recording medium except that the seedlayer of the second magnetic recording medium contains substantially pure Cr.

- 10. (Original) The magnetic recording medium of claim 9, wherein the seedlayer of the first magnetic recording medium comprises Cr-10W and the CoCr-containing underlayer comprises Co-37Cr.
- 11. (Currently Amended) A method of manufacturing a magnetic recording medium, comprising:

depositing a seedlayer comprising a Cr-X containing material directly on a substrate, wherein a portion of the seedlayer is oxidized;

depositing a non-oxidized Cr-containing first underlayer; depositing a second underlayer comprising an HCP alloy; and depositing a magnetic layer, in this order,

wherein a solid solubility of said X is at least 3 atomic percent in Cr, and said X is selected from the group consisting of aluminum, calcium, titanium, vanadium, manganese, iron, cobalt, nickel, zinc, or a mixture thereof, and further wherein grains of the seedlayer in the medium has a lower sigma/mean than that of an unoxidized seedlayer in a similar medium.

- 12 (Original) The method of manufacturing a magnetic recording medium of claim 11, further wherein a heat of oxide formation of said X is less than that of Cr and a lattice tuning capability of said X is at least 2% that of Cr.
 - 13. (Canceled).
 - (Canceled).

- 15. (Canceled).
- 16. (Previously Amended) The method of manufacturing a magnetic recording medium of claim 11, wherein the oxidized portion of the seedlayer contains from about 0.01 atomic percent oxygen to about 0.9 atomic percent oxygen.
- 17. (Previously Amended) The method of manufacturing a magnetic recording medium of claim 11, wherein the oxidized portion of the seedlayer has a mean grain size diameter of 10 nm or less.
- 18. (Previously Amended) The method of manufacturing a magnetic recording medium of claim 11, wherein the seedlayer has a Cr-X (110) interplanar spacing that is substantially equivalent to a (0002) interplanar spacing of the HCP alloy in the second underlayer.
- 19. (Previously Amended) The method of manufacturing a magnetic recording medium of claim 11, wherein the second underlayer comprises a CoCr-containing material to form a first magnetic recording medium, the first magnetic recording medium exhibiting a stronger CoCr (11.0) peak by X-ray crystallography than that of a second magnetic recording medium that is manufactured similarly to the first magnetic recording medium except that the seedlayer of the second magnetic recording medium contains substantially pure Cr.

 (Currently Amended) A magnetic recording medium comprising: an oxidized means for low noise recording directly on a substrate, a magnetic layer,

a non-oxidized underlayer comprising a Cr-containing material and
a layer for allowing a BCC-HCP transition to occur between the underlayer and the magnetic
layer, and further wherein grains of the seedlayer in the medium has a lower sigma/mean than
that of an unoxidized seedlayer in a similar medium.